BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	1								
Item Name:	Earth work in excavation for foundation of structures like culverts, retaining walls etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specifications, including cost of labour, HOM etc., complete in all kinds of soil by manual means.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement Recorded On:				10-10-2019					
Earth work for RCC Drain									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
RHS	0.00	0.00	1	0.00	1.00		0.90	0.00	
	0.00	16.90	1	16.90	1.00	1.00	0.90	15.21	
	16.90	22.40	1	5.50					Cross Road
	22.40	52.40	1	30.00	1.00	1.00	0.90	27.00	
	52.40	68.50	1	16.10	1.00	1.00	0.90	14.49	
	68.50	73.20	1	4.70					Culvert
	73.20	103.20	1	30.00	1.00	1.00	0.90	27.00	
	103.20	114.00	1	10.80	1.00	1.00	0.90	9.72	
For RCC Culvert									
			1	4.70	1.00	1.00	1.00	4.70	
			1	5.00	1.00	1.00	1.00	5.00	
	Total Quantity							103.12	Cum
	Quanity Limit to							102.00	Cum
	Quantity Carried to Summary							102.00	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yak. Zn)
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	2								
Item Name:	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement Recorded On:				24-10-2019					
For RCC Drain									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
RHS	0.00	0.00	1	0.00	0.90		0.15	0.00	
	0.00	16.90	1	16.90	0.90	0.90	0.15	2.28	
	16.90	22.40	1	5.50					Cross Road
	22.40	52.40	1	30.00	0.90	0.90	0.15	4.05	
	52.40	68.50	1	16.10	0.90	0.90	0.15	2.17	
	68.50	73.20	1	4.70					Culvert
	73.20	103.20	1	30.00	0.90	0.90	0.15	4.05	
	103.20	114.00	1	10.80	0.90	0.90	0.15	1.46	
For RCC Culvert									
			1	4.70	1.00	1.00	0.15	0.71	
			1	5.00	1.00	1.00	0.15	0.75	
	Total Quantity							15.47	Cum
	Quanity Limit to							15.30	Cum
	Quantity Carried to Summary							15.30	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
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Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
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Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	3								

Item Name: KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1, 4.6

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement Recorded On:				07-11-2019					
For RCC Drain									
Raft									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
RHS	0.00	0.00	1	0.00	0.90		0.15	0.00	
	0.00	16.90	1	16.90	0.90	0.90	0.15	2.28	
	16.90	22.40	1	5.50					Cross Road
	22.40	52.40	1	30.00	0.90	0.90	0.15	4.05	
	52.40	68.50	1	16.10	0.90	0.90	0.15	2.17	
	68.50	73.20	1	4.70					Culvert
	73.20	103.20	1	30.00	0.90	0.90	0.15	4.05	
	103.20	114.00	1	10.80	0.90	0.90	0.15	1.46	
For RCC Culvert									
			1	4.70	1.00	1.00	0.15	0.71	
			1	5.00	1.00	1.00	0.15	0.75	
Premeasurement Recorded On:				21-11-2019					
For RCC Drain									
Wall									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
RHS	0.00	0.00	2	0.00	0.15		0.60	0.00	
	0.00	16.90	2	16.90	0.15	0.15	0.60	3.04	
	16.90	22.40	2	5.50					Cross Road
	22.40	52.40	2	30.00	0.15	0.15	0.60	5.40	
	52.40	68.50	2	16.10	0.15	0.15	0.60	2.90	
	68.50	73.20	2	4.70					Culvert
	73.20	103.20	2	30.00	0.15	0.15	0.60	5.40	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	103.20	114.00	2	10.80	0.15	0.15	0.60	1.94	
For RCC Culvert									
			2	4.70	0.20	0.20	0.60	1.13	
			2	5.00	0.20	0.20	0.60	1.20	
	Total Quantity							36.48	Cum
	Quanity Limit to							36.29	Cum
	Quantity Carried to Summary							36.29	Cum

Contractor Representative

Asst Engineer
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Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Nw. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	4								
Item Name:	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement Recorded On:				20-11-2019					
For RCC Drain Wall									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
RHS	0.00	0.00	4	0.00			0.60	0.00	
	0.00	16.90	4	16.90			0.60	40.56	
	16.90	22.40	4	5.50					Cross Road
	22.40	52.40	4	30.00			0.60	72.00	
	52.40	68.50	4	16.10			0.60	38.64	
	68.50	73.20	4	4.70					Culvert
	73.20	103.20	4	30.00			0.60	72.00	
	103.20	114.00	4	10.80			0.60	25.92	
For RCC Culvert									
			4	4.70			0.60	11.28	
			4	5.00			0.60	12.00	
	Total Quantity							272.40	Sqm
	Quanity Limit to							268.80	Sqm
	Quantity Carried to Summary							268.80	Sqm

Contractor Representative

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No. 5

Item Name: KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work TMT bars Fe500 including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.

Chainage From	Chainage To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
		Tonne										
Premeasurement recorded on:		06-11-2019										
for New RCC Drain												
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road												
0.00	16.90											
			1	10.00	16.90	1.65	0.100	170.00	280.50	0.62	173.91	
			1	8.00	1.65	16.90	0.100	18.00	304.20	0.39	118.64	
22.40	52.40											
			1	10.00	30.00	1.65	0.100	301.00	496.65	0.62	307.92	
			1	8.00	1.65	30.00	0.100	18.00	540.00	0.39	210.60	
52.40	68.50											
			1	10.00	16.10	1.65	0.100	162.00	267.30	0.62	165.73	
			1	8.00	1.65	16.10	0.100	18.00	289.80	0.39	113.02	
73.20	103.20											
			1	10.00	30.00	1.65	0.100	301.00	496.65	0.62	307.92	
			1	8.00	1.65	30.00	0.100	18.00	540.00	0.39	210.60	
103.20	114.00											
			1	10.00	10.80	1.65	0.100	109.00	179.85	0.62	111.51	
			1	8.00	1.65	10.80	0.100	18.00	194.40	0.39	75.82	
For RCC Culvert												

Chainage From	Chainage To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
			1	12.00	4.70	1.70	0.100	48.00	81.60	0.89	72.62	
			1	12.00	1.70	4.70	0.100	18.00	84.60	0.89	75.29	
			1	12.00	5.00	2.63	0.100	51.00	133.88	0.89	119.15	
			1	12.00	2.63	5.00	0.100	27.00	135.00	0.89	120.15	
									Total Qty in Kgs		2182.88	
									Total Quantity		2.18	Tonne
									Quantity Carried to Summary		2.18	Tonne

Contractor Representative

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Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	6								
Item Name:	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforecement, including form work, lift charges, cutting and concrete finished surfaces on both sides etc., complte and as per drawing and the directions of Engineer in-charge.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				03-12-2019					
For RCC Drain									
Wall									
Kondappa Layout Main Road from Vidya Jyothi School to 9th Cross Road									
	RHS	0.00	0.00	1	0.00	0.90	0.90	0.00	
		0.00	16.90	1	16.90	0.90	0.90	~~15~~ 21	
		16.90	22.40	1	5.50				Cross Road
		22.40	52.40	1	30.00	0.90	0.90	~~27~~.00	
		52.40	68.50	1	16.10	0.90	0.90	~~14~~.49	
		68.50	73.20	1	4.70				Culvert
		73.20	103.20	1	30.00	0.90	0.90	~~2~~7.00	
		103.20	114.00	1	10.80	0.90	0.90	~~9~~.72	
			Total Quantity					93.42	Sqm
			Quantity Carried to Summary					93.42	Sqm

Contractor Representative

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(BBMP N. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Renuka Yellamma Temple Compound Near AD Colony in Chowdeshwari Ward No.02

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. P. Ravichandra

Item No.	7								
Item Name:	Providing and fixing Precast covering slab of 250mm thick made out of CC M25 and jelly 20mm down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete as per specifications.								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			03-12-2019					
For RCC Culvert								
			1	4.70	1.20	1.20	5.64	
			1	5.00	1.20	1.20	6.00	
	Total Quantity						11.64	Sqm
	Quantity Carried to Summary						11.64	Sqm

Contractor Representative

Asst Engineer
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